

CLAIM SET AS AMENDED

1. (Currently Amended) A method of manufacturing a liquid crystal display comprising the steps of:

forming a liquid crystal cell including the steps of:

providing an upper substrate and a lower substrate;

c1 forming an alignment layer on at least one of the upper and lower substrates;

forming a sealant on at least one of the upper and lower substrates;

laminating the upper and lower substrates; and

injecting a liquid crystal layer between the upper and lower substrates;

heating the liquid crystal cell, wherein the heating step is performed at a temperature that is greater than about 10°C above a nematic-isotropic transition temperature to form a uniform tilt angle of the alignment layer; and
quickly cooling the liquid crystal cell.

2. (Canceled).

c2 3. (Original) The method according to claim 1, wherein the heating step is performed at a temperature greater than about 100°C.

C2
end
4. (Original) The method according to claim 1, wherein the heating step is performed at a temperature greater than about 150°C.

5. (Original) The method according to claim 1, wherein the heating step is performed at a temperature greater than about 170°C.

C3
6. (Previously Amended) The method according to claim 1, wherein the alignment layer is made of polyimide.

7. (Previously Amended) The method according to claim 1, wherein the alignment layer is made of a photo-alignment material.

8. (Canceled).

C4
9. (Previously Amended) The method according to claim 1, wherein the step of sealing further comprises the step of printing at least one of the substrates with a sealant.

10. (Original) The method according to claim 1, wherein the heating step is performed at a temperature that is less than a curing temperature of the sealant.

C4
encl

11. (Original) The method according to claim 7, wherein the photo-alignment material includes at least one of polysiloxane and cellulose cinnamate.

12. (Canceled).

C5

13. (Original) The method according to claim 1, wherein the heating step is performed at a temperature which is substantially equal to a baking temperature of the alignment layer.

C6

14. (Currently Amended) A method of manufacturing a liquid crystal display comprising the steps of:

forming a liquid crystal cell including the steps of:

providing an upper substrate and a lower substrate;

forming an alignment layer on at least one of the upper and lower substrates;

forming a sealant on at least one of the upper and lower substrates;

laminating the upper and lower substrates; and

injecting a liquid crystal layer between the upper and lower substrates; and

heating the liquid crystal cell, wherein the heating step is performed at a temperature that is greater than about 10°C above a nematic-isotropic transition temperature to form a uniform tilt angle of the alignment layer.

c6
cancel

15. (Original) The method according to claim 14, wherein the heating step is performed at a temperature that is less than a curing temperature of the sealant.

16. (Canceled).

c7

17. (Original) The method according to claim 14, wherein the heating step is performed at a temperature which is substantially equal to a baking temperature of the alignment layer.
